LSI Remote Mounting Board

LSI Remote Mounting Board - BBU-BRACKET-05

LSI Battery Backup Units (BBUs) protect the integrity of the cached data on a MegaRAID or 3ware RAID controller card in the event of a power or server failure. Many of these BBU options can be mounted directly on the LSI RAID controllers or remotely away from the RAID controller. In some cases, the battery only has a remote connection option and cannot be mounted directly on the RAID controller. (See Table 1)

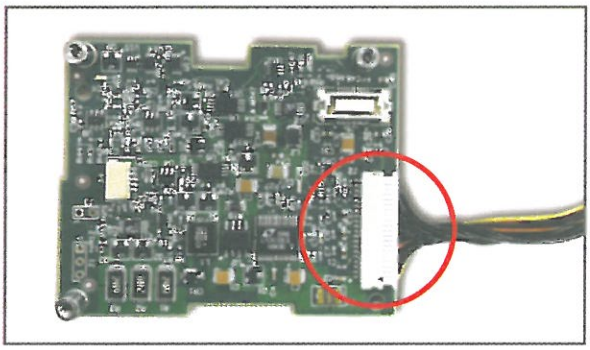
LSI offers an optional remote mounting board (BBU-BRACKET-05) for customers to remotely mount their battery backup in an adjacent server PCI slot. The BBU-BRACKET-05 allows one or two BBUs to be attached at a time and is ideal in systems where the user cannot guarantee that proper operating temperatures are being maintained at the BBU when it is mounted directly on a MegaRAID or 3ware RAID controller.

The remote mounting board comes with a full-height bracket installed, while an optional low-profile bracket is included as part of the kit. Both brackets are 'vented' to allow for maximum cooling air flow in the vicinity of the battery. The remote-mount BBU connects to the RAID controller using a remote cable, which is included in the BBU kit or the remote mounting kit (LSI00260).

BBU-BRACKET-05 Remote Mount Board / Battery Installation Instructions

- **Step 1**

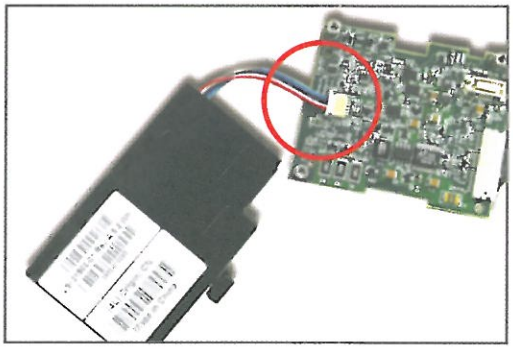
Attach 20-pin remote cable included in battery kit or LSI00260 to the Battery Backup Unit



- **Step 2**

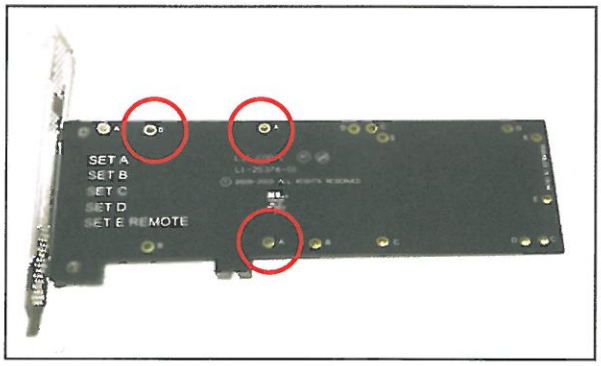
(If you are using LSIiBBU08 or LSIiBBU09, skip to step 3)

For LSIiBBU06 and LSIiBBU07 only, attach 5-pin cable from Battery to BBU control module



- **Step 3**

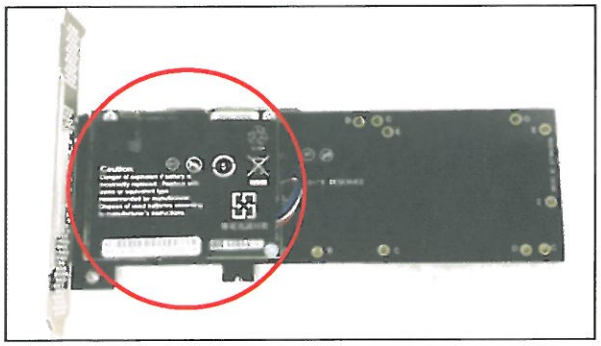
The BBU-BRACKET-05 has four sets of mounting holes that can be used to attach the battery backup units. These are shown as "SET A", "SET B", "SET C" AND "SET D". Using the 3 screws provided with the battery backup kit, mount the BBU to the BBU-BRACKET-05 using any set of BBU holes (i.e All three holes labeled A). It is recommended that when using a single BBU, you mount the battery backup unit as close to the vented PCI bracket as possible for stability. Insert the screws loosely into the standoffs for all 3 locations; once the screws are in place you can then tighten all screws snugly to firmly mount the BBU module to the board.



- **Step 4**

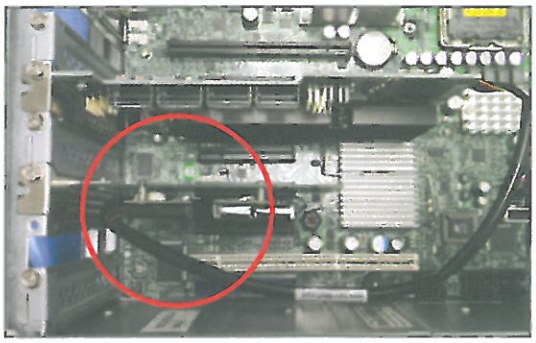
(If you are using LSIiBBU08 or LSIiBBU09, skip to step 5)

For LSIiBBU06 and LSIiBBU07 only, mount the Battery to the BBU control module using the clips.



- **Step 5**

Mount the complete BBU assembly into an available PCI slot on the server and attach the other end of the 20 pin cable to the RAID controller.



	LSIiBBU09	LSIiBBU08	LSIiBBU07	LSIiBBU06
9265-8i	Remote Only	-	-	-
9285-8e	Remote Only	-	-	-
9260-4i	-	Direct Connect Remote Connect*	Direct Connect Remote Connect*	-
9260-8i	-	Direct Connect Remote Connect*	Direct Connect Remote Connect*	-
9261-8i	-	Direct Connect Remote Connect	Direct Connect Remote Connect	-
9260-16i	-	Remote Only	Remote Only	-
9280-4i4e	-	Direct Connect Remote Connect	Direct Connect Remote Connect	-
9280-8e	-	Direct Connect Remote Connect	Direct Connect Remote Connect	-
9280-16i4e	-	Remote Only	Remote Only	-
9280-24i4e	-	Remote Only	Remote Only	-
9750-4i	-	-	Direct Connect Remote Connect	-
9750-8i	-	-	Direct Connect Remote Connect	
9750-16i4e	-	-	Remote Only	-
9750-24i4e	-	-	Remote Only	-
8704EM2	-	-	-	Direct Connect Remote Connect*
8708EM2	-	-	-	Direct Connect Remote Connect*
8880EM2	-	-	Direct Connect Remote Connect*	-

*These products require a remote interposer board for remote connection. This part is included in the Remote Mounting Kit, which is sold separately (LSI00260)

For more information and sales office locations, please visit the LSI web sites at:

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April 2011

Part No. 51366-00

51366-00

Replacing Brackets on MegaRAID SAS+SATA RAID Controllers

Quick Installation Guide

This quick installation guide describes how to replace a bracket on your MegaRAID SAS+SATA RAID controller. This guide applies to low-profile RAID controllers and full-profile RAID controllers.

CAUTION

- **Never** apply pressure to the bracket or the heatsink when inserting the RAID controller.
- Do not handle the board by the bracket.
- Do not handle the heatsink at any time.
- Do not bend or twist the board at any time.

Important: You must perform all work at an ESD-safe workstation that meets the requirements of JESD625-A - *Requirements For Handling Electrostatic-Discharge-Sensitive (ESDS) Devices.* You must perform all actions according to the latest revision of the IPC-A-610 ESD-recommended practices.

Follow these steps to replace a bracket on a MegaRAID RAID controller.

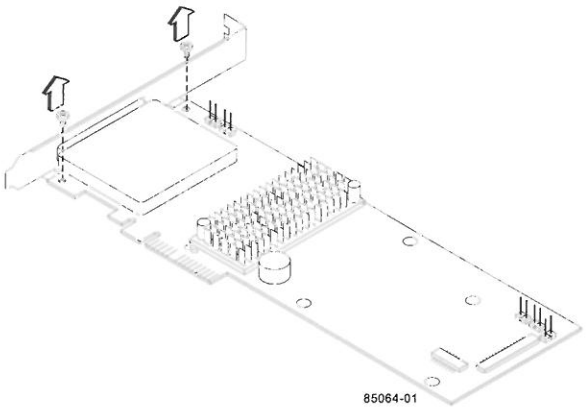
Step 1 At an ESD-safe workstation, remove the board from its ESD protective bag.

Step 2 Use an ESD-safe #1 Phillips head screwdriver to carefully remove the two Phillips head screws that connect the bracket to the board.

The following figure shows how to unscrew the two screws located at the top edge and bottom edge of the board.

Important: Damaging the screw can void the warranty. To prevent damage to the screw, make sure that the screwdriver is centered in the top of the screw.

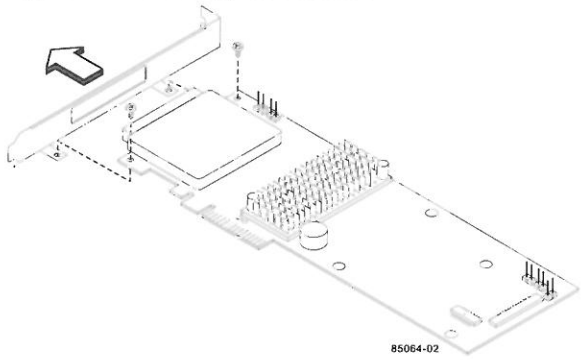
Figure 1 Removing the Bracket Screws



Step 3 Remove the bracket from the RAID controller.

The following figure shows how to remove the bracket from the RAID controller.

Figure 2 Removing the Bracket



Step 4 Place the RAID controller on top of the replacement bracket.

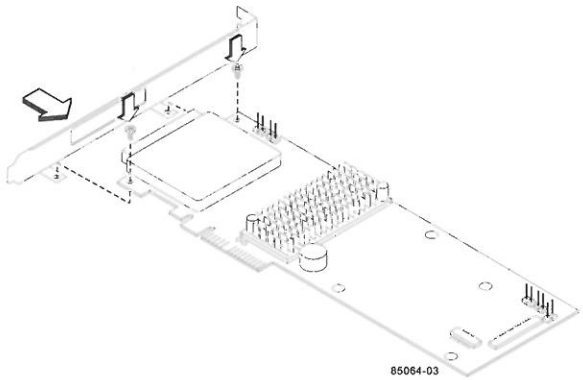
Make sure to position the bracket so that the screw holes in the tabs are aligned with the openings in the board.

Step 5 Use an ESD-safe #1 Phillips torque screwdriver that is set to a maximum torque of 4.8 ± 0.5 inch-pounds to replace the two Phillips head screws that you removed in Step 2.

The following figure shows how to use an ESD-safe #1 Phillips torque screwdriver to replace the screws.

Important: Exceeding this torque specification can damage the board, connectors, or screws, and can void the warranty on the board.

Figure 3 Installing the New Bracket



Step 6 Replace the board in its ESD-protective bag, and seal the bag appropriately.

Warranty Notice:

1. The warranty does not cover the return of parts that are damaged by changing the bracket.

2. The warranty does not cover ESD damage to the board. Boards returned without a bracket mounted on the board will be returned without Return Materials Authorization (RMA) processing.

Part No. 46126-00 Rev. C, December 2010

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46126-00C

LSI中国RoHS 信息：所有内部存储部件

RAID Storage Adapter

有毒有害物质或元素名称及含量标识:

Toxic / Hazardous Substances and Elements Table:

有毒有害物质或元素 Toxic and Hazardous Substance or Elements						
部件名称 Product Name	铅 Lead (Pb)	汞 Mercury (Hg)	镉 Cadmium (Cd)	六价铬 Hexavalent Chromium (Cr6+)	多溴联苯 PolyBrominated Biphenyls (PBB)	多溴二苯醚 PolyBrominated Diphenyl Ethers (PBDE)
RAID存储适配器 RAID Storage Adapter	X	O	O	O	O	O

O: 表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T11363-2006规定的限量要求以下
O: Indicates that the content of the toxic and hazardous substance in all the homogeneous materials of the part is below the concentration limit requirement as described in SJ/T 11363-2006.

X: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T11363-2006规定的限量要求
X: Indicates that the content of the toxic and hazardous substance in at least one homogeneous material of the part exceeds the concentration limit requirement as described in SJ/T 11363-2006.

"10" = 环保使用期 : Environmental Protection Use Period

PN: 28226-00 Rev. C
March 2010
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